



H-A

9300

0280

10205.030  
PATENT

4

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE *JDS*

In re application of: : Art Unit:  
Harrow et al. : Examiner:  
Serial No.: 09/803,551 : Date: March 23, 2001  
Filed: March 9, 2001 :  
For: *Transmit/Receive Arbitrator*

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING  
DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS EXPRESS  
MAIL IN AN ENVELOPE ADDRESSED TO:  
COMMISSIONER OF PATENTS AND TRADEMARKS

Box Patent Application

WASHINGTON, D.C. 20231, ON: MAR. 23, 2001

Date of Deposit

*Paul G. Wille*

3-23-01

Signature

Date

DISCLOSURE STATEMENT UNDER RULE 56

Honorable Commissioner of Patents and Trademarks,  
Washington, D.C. 20231

SIR:

It is respectfully requested that the art listed below be considered in the examination of the subject application and made of record therein. A copy of the art listed below is enclosed.

4,976,287 ..... discloses (FIG. 2) a circuit for comparing the peak  
Reesor et al. amplitude and noise level in the microphone and  
January 3, 1989 line input and selecting one or the other;

- 4,879,745 ..... discloses (FIG. 2) a control circuit that compares  
Arbel  
November 7, 1989  
signal power, noise level, and echo in the  
microphone and line input for selecting one or the  
other;
- 5,418,848 ..... discloses (FIG. 2) an evaluation circuit that  
Armbrüster  
May 23, 1995  
includes counter 11 that counts up during periods  
of double talk and down during periods without  
double talk and coupling a non-linear filter into the  
line out when the count reaches a predetermined  
number;
- 5,598,466 ..... discloses (FIGS. 7, 11, 12) a plurality of  
Graumann  
January 28, 1997  
calculations that are performed to detect speech;
- 5,692,042 ..... discloses (FIG. 1) hysteresis (154) in a  
Sacca  
November 25, 1997  
transmit/receive evaluation circuit;
- 5,764,753 ..... discloses (FIG. 3) an utterance detector including  
McCaslin et al.  
June 9, 1998  
counter 120 controlled by power estimate circuit  
82 and absolute value circuit 117;
- 5,867,574 ..... discloses (FIG. 2) a method for detecting voice  
Eryilmaz  
February 2, 1999  
activity employing a plurality of calculations;
- 6,138,040 ..... discloses (FIG. 3) a method for detecting voice by  
Nicholls et al.  
October 24, 2000  
comparing signal energy to calculated average  
background noise;

It is respectfully submitted that the invention as described and claimed is not disclosed or suggested by the prior art listed above.

Respectfully submitted,

A handwritten signature in cursive script that reads "Paul F. Wille".

Paul F. Wille

Reg. No. 25,274

Attorney for Applicant

6407 East Clinton Street  
Scottsdale, Arizona 85254  
Tel. (602) 549-9088